

SAFETY DATA SHEET

XT Barrier Dip | Part B (Activator)

Section 1. Chemical Product and Company Information

Product Name : XT Barrier Dip | Part B (Activator)
Other means of identification : Not applicable
Recommended Use : Teat Dip, Part 1 of 2.
Restrictions on Use : Reserved for industrial and professional use.

Supplier Information : AgroChem Inc.
26 Freedom Way
Saratoga Springs, NY 12866
(518) 226-4850

Date of issue : 10/01/2015

EMERGENCY HEALTH INFORMATION : 1 (800) 424-9300
Outside United States and Canada CALL: +1 (703) 741-5500

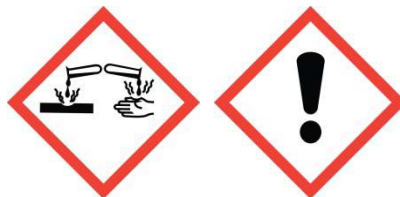
Section 2. Hazards Identification

GHS Classification

Skin corrosion : Category 1A
Serious eye damage : Category 1

GHS Label Element

Hazard pictograms :



Signal Word : Danger
Hazard Statements : Causes severe skin burns and eye damage. Harmful if swallowed
Precautionary Statements :

Prevention:

Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. Mixing this product with acid or ammonia releases chlorine gas.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse.

SAFETY DATA SHEET

XT Barrier Dip | Part B (Activator)

Storage: Store locked up.

Disposal: Dispose of contents/ container to an approved waste disposal plant.

Other hazards : None Known

Section 3. Composition / Information on Ingredients

Pure substance/mixture : Mixture

| Chemical Name | CAS-No. | Concentration (%) |
|-----------------|-----------|-------------------|
| Sodium chlorite | 7758-19-2 | 70 – 80 |

Section 4. First Aid Measures

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

See toxicological information (Section 11)

Section 5. Fire-Fighting Measures

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SAFETY DATA SHEET

XT Barrier Dip | Part B (Activator)

| | |
|--|---|
| Unsuitable extinguishing media | : None known |
| Specific hazards during fire fighting | : Not flammable or combustible. |
| Hazardous combustion products | : Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus |
| Special protective equipment for fire-fighters | : Use personal protective equipment. |
| Specific extinguishing methods | : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes. |

Section 6. Accidental Release Measures

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8. |
| Environmental precautions | Do not allow contact with soil, surface or ground water. |
| Methods and materials for containment and cleaning up | Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. |

Section 7. Handling and Storage

| | |
|-------------------------|--|
| Advice on safe handling | Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. |
|-------------------------|--|

SAFETY DATA SHEET

XT Barrier Dip | Part B (Activator)

Conditions for safe storage Keep away from strong bases. Keep out of reach of children.
 Store in suitable labeled containers.

Storage temperature -10 °C to 50 °C

| |
|---|
| Section 8. Exposure Controls / Personal Protection |
|---|

| Ingredients | CAS-No. | Form of Exposure | Permissible Concentration | Basis |
|-------------|-----------|------------------|-----------------------------------|-----------|
| chlorine | 7782-50-5 | TWA | 0.5 ppm | ACGIH |
| | | STEL | 1 ppm | ACGIH |
| | | Ceiling | 0.5 ppm 1.45 mg/m ³ | NIOSH REL |
| | | C | 1 ppm 3 mg/m ³ | OSHA Z1 |

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Safety goggles
 Face-shield

Hand protection : Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

| |
|--|
| Section 9. Physical and Chemical Properties |
|--|

SAFETY DATA SHEET

XT Barrier Dip | Part B (Activator)

| | |
|---|---|
| Appearance | : Liquid |
| Color | : Clean, Light Yellow |
| Odor | : Chlorine |
| pH | : 11.75, 100% |
| Flash point | : Not applicable, Does not sustain combustion |
| Odor Threshold | : No data available |
| Melting point/freezing point | : No data available |
| Initial boiling point and boiling range | : 100°C |
| Evaporation Rate | : No data available |
| Flammability (solid, gas) | : No data available |
| Upper explosion limit | : No data available |
| Lower explosion limit | : No data available |
| Vapor pressure | : No data available |
| Relative vapor density | : No data available |
| Relative density | : 1.03 |
| Water solubility | : Soluable |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Autoignition temperature | : No data available |
| Thermal decomposition | : No data available |
| Viscosity, kinematic | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Molecular weight | : No data available |
| VOC | : No data available |

Section 10. Stability and Reactivity

| | |
|------------------------------------|---|
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | Mixing this product with acid or ammonia releases chlorine gas. |
| Conditions to avoid | None known. |
| Incompatible materials | Acids |

SAFETY DATA SHEET

XT Barrier Dip | Part B (Activator)

| | |
|----------------------------------|--|
| Hazardous decomposition products | Metals Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus |
|----------------------------------|--|

| |
|--|
| Section 11. Toxicological Information |
|--|

| | |
|--|---|
| Information on likely routes of exposure | : Inhalation, Eye contact, Skin contact |
| Potential Health Effects | : No data available |
| Eyes | : Causes serious eye damage. |
| Skin | : Causes severe skin burns. |
| Ingestion | : Causes digestive tract burns. |
| Inhalation | : May cause nose, throat, and lung irritation. |
| Chronic Exposure | : Health injuries are not known or expected under normal use. |
| Experience with human exposure | : |
| Eye contact | : Redness, Pain, Corrosion |
| Skin contact | : Redness, Pain, Corrosion |
| Ingestion | : Corrosion, Abdominal pain |
| Inhalation | : Respiratory irritation, Cough |
| Toxicity | : |
| Acute oral toxicity | : Acute toxicity estimate : > 5,000 mg/kg |
| Acute inhalation toxicity | : 4 h Acute toxicity estimate : > 40 mg/l |
| Acute dermal toxicity | : Acute toxicity estimate : 3,494 mg/kg |
| Skin corrosion/irritation | : No data available |
| Serious eye damage/eye irritation | : No data available |
| Respiratory or skin sensitization | : No data available |
| Carcinogenicity | : No data available |
| Reproductive effects | : No data available |
| Germ cell mutagenicity | : No data available |
| Teratogenicity | : No data available |
| STOT-single exposure | : No data available |

SAFETY DATA SHEET

XT Barrier Dip | Part B (Activator)

STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Section 12. Ecological Information

Ecotoxicity

Environmental Effects : Toxic to aquatic life.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Persistence and degradability : No data available

Bioaccumulative potential : No data available

Mobility in soil : No data available

Other adverse effects : No data available

Section 13. Disposal Considerations

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : D002 (Corrosive)

Section 14. Transport Information

SAFETY DATA SHEET

XT Barrier Dip | Part B (Activator)

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number : Non Hazardous
Description of the goods :
Class :
Packing group :
Environmentally hazardous :

Sea transport (IMDG/IMO)

UN number : Non Hazardous
Description of the goods :
Class :
Packing group :
Environmentally hazardous :

Section 15. Regulatory Information

EPA Registration Number :
EPCRA - Emergency Planning and Community Right-to-Know
CERCLA Reportable Quantity : This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65 : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

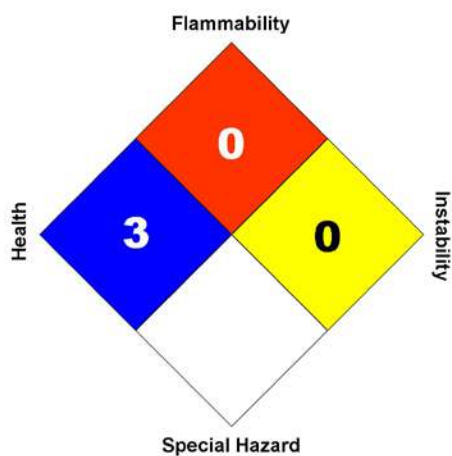
United States TSCA Inventory : On TSCA Inventory
Canadian Domestic Substances List (DSL) : All components of this product are on the Canadian DSL.
Australia Inventory of Chemical Substances (AICS) : On the inventory, or in compliance with the inventory
New Zealand. Inventory of : On the inventory, or in compliance with the inventory

SAFETY DATA SHEET

XT Barrier Dip | Part B (Activator)

| | |
|---|---|
| Chemical Substances | |
| Japan. ENCS - Existing and New Chemical Substances Inventory | : Not determined |
| Japan. ENCS - Existing and New Chemical Substances Inventory | : Not determined |
| Japan. ISHL - Inventory of Chemical Substances | : On the inventory, or in compliance with the inventory |
| Korea. Korean Existing Chemicals Inventory (KECI) | : On the inventory, or in compliance with the inventory |
| Philippines Inventory of Chemicals and Chemical Substances (PICCS) | : On the inventory, or in compliance with the inventory |
| China. Inventory of Existing Chemical Substances in China (IECSC) | : On the inventory, or in compliance with the inventory |

| |
|--------------------------------------|
| Section 16. Other Information |
|--------------------------------------|



HMIS III:

| | |
|------------------------|----------|
| HEALTH | 3 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

0 = Not Significant, 1 = Slight
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

| | |
|--------------|--------------|
| Issuing date | : 10/01/2015 |
| Version | : 1.0 |
| Prepared by | : RJD |

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be

SAFETY DATA SHEET

XT Barrier Dip | Part B (Activator)

considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.